Model 10 General Purpose pH Sensor

Features

- Select pH or ORP Measurement
- Temperature Compensation Pt100 or Pt1000
- Non-fouling porous Teflon® Liquid Junction
- Large Volume Reference Electrolyte Reservoir
- Compact Design
- 1/2" MNPT Process Connections
- Designed for Flow Through and Submersion Applications
- Suitable for High Temperature Use



Applications

- Potable Water
- Cooling Towers
- Surface Water Monitoring
- Fresh and Salt Water Aquariums
- Fish Farming
- Hydroponics

Description

Model 10 pH Sensor is designed for use in general purpose water applications. The large volume single junction reference cell coupled with the non-fouling porous Teflon® liquid junction assures a long life in general service.

Specifications

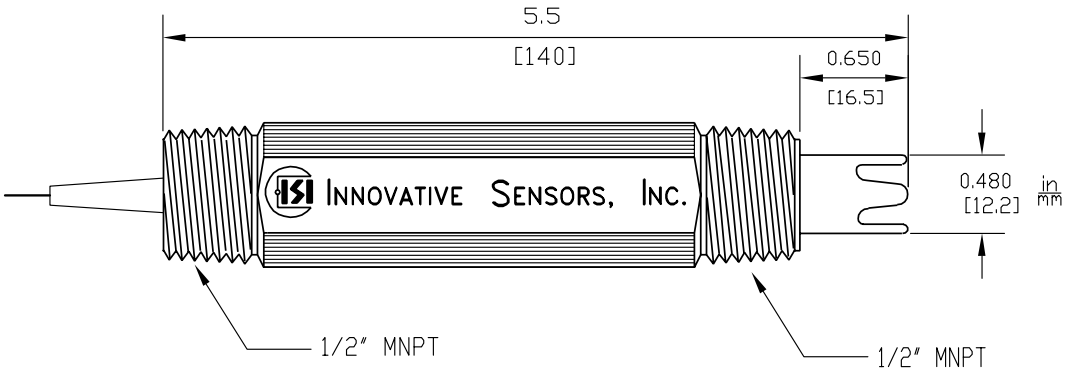
Body Material	Ryton®
O-Rings	Viton®
Measuring Range	0 to 14 pH
Temperature Range	-5 to 80°C (23 to 176°F) Standard Version 25 to 110°C (77 to 230°F) High Temp Version
Pressure Range	0 to 6.9 bar (0 to 100 psig)
Drift	< 2.0 mV/week
Response Time @ 25°C (77°F)	95% of reading in 10 seconds
pH Glass Bulb Impedance @ 25°C (77°F)	80 Megohms (Standard Version) 150 Megohms (High Temp Version)

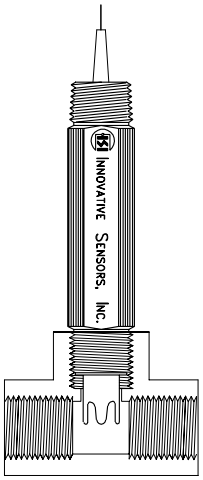
[1] United States Patent No. 4,128,468
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® Ryton is a registered trademark of Philips 66 Co.

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Ordering Information

Model 10	Description
M-10	General Purpose pH Sensor with Protective Guard Single Junction Reference Cell No Temperature Compensation Process Connections ½" MNPT Insertion Length 16.5mm (0.65") 3.3m (10 ft.) Cable with BNC
Measurement Options	**Description**
ORP	Platinum ORP Electrode
HT	For continuous high temperature use >80°C (176°F)
Temperature Compensation	**Description**
PT100	Temperature Compensation, 100 Ohm RTD
PT1000	Temperature Compensation, 1000 Ohm RTD
3KTC	Temperature Compensation, 3000 Ohm Thermister
M-10-PT100	**Example Order Number**





Flow Installation

- ½" NPT Pipe Tee (By Others)
- Use Teflon® Tape on Sensor to permit removal for routine maintenace
- Install shut off valves upstream and downstream of sensor
- Optimum flow rate is 3 to 5 GPM
- Sensor must remain in solution at all times

Note: Variations in design of plastic plumbing parts from different manufactures can be expected. Check tolerances prior to installation.

AYSiX technologies